

## ABSTRACT

Provided is an aluminum nitride sintered body having a larger area and a smaller thickness as compared to the conventional art, wherein the 5 aluminum nitride sintered body has flatness with controlled warpage and/or waviness height. Methods of producing such sintered body, and further a metallized substrate and a heater using such sintered body are also provided.

An aluminum nitride substrate 1 has a maximum length of 320 mm or more, a thickness of more than 0 mm and 2 mm or less, a warpage of 0  $\mu\text{m}/\text{mm}$  10 or more and less than 2  $\mu\text{m}/\text{mm}$ , and a local waviness height of 0  $\mu\text{m}$  or more and 100  $\mu\text{m}$  or less.